



Assembly with air-bearred linear and rotation axes of granite

Machine assembly. Multi-parted portal construction of finest diabas

Construction

All movement axes are air-bearred. The air bearings are directly worked into the granite components. The outstanding high precision of the guiding faces provides lowest air gaps and nearly frictionless bearing. That ensures a high stiffness by consuming less of air.

Technical specifications

- › Dimensions: 1000x850x600 mm
- › Accuracy of linear axis: < 0,002 mm
- › Accuracy of rotation axis: < 0,002 mm

Range of applications

- › Measuring technology
- › Laser working
- › Micro machining

Other guidance principles and accuracies are possible. E.g. roller bearing, hydrostatic guidance with linear drives, ball-screw drive.

JFA is your competent partner in dimensioning assemblies and precision systems for your applications and processes.